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\$340,874. The capital fund of the Foundation on January 1, 1915, was \$100,048,000.

Appropriations amounting to \$1,200,000, not hitherto announced, have recently been made by the Foundation. To the Rockefeller Institute for Medical Research is given \$1,000,000 for additional endowment needed in connection with the Department of Animal Pathology, recently established near Princeton, N. J. To the Rockefeller Institute for Medical Research, \$25,000 goes for the cost of medical research and such medical supplies and services as the institute may appropriately furnish at the seat of war in Europe. Most of this appropriation will be used for the support of the research and hospital work being conducted by Dr. Alexis Carrel in France. The China Medical Board receives \$125,000 for the purchase of additional property adjoining the Union Medical College in Peking for the promotion of medical teaching in China. The international committee of the Young Men's Christian Association receives \$50,000 in support of the work in the military prison camps of Europe.

The General Education Board, founded by John D. Rockefeller "to promote education within the United States" without distinction of race, sex or creed, will shortly issue its complete annual report for the fiscal year 1914-15.

The first installment of that report, made public this week, shows that since its organization and up to June 30, 1915, the board had appropriated directly \$16,862,147.71. Of this amount, \$10,848,084.07 had been paid out, and \$6,014,063.64 was awaiting requisition.

Up to that date the board had appropriated its entire accumulated income with the exception of \$198,992.35.

The report shows the value of the board's resources, supplied by Mr. John D. Rockefeller, to be \$33,958,848.40, of which \$30,918,063.80 is general endowment and \$3,040,784.60 reserve fund.

The gross income from these funds for 1915 was \$2,230,425.41. In addition, the Anna T. Jeanes Fund, which is administered by the board, yielded an income of \$7,910.46. The

administration of these funds is in the hands of a board of trustees consisting of Frederick T. Gates, chairman; Walter H. Page, John D. Rockefeller, Jr., Albert Shaw, Wallace Buttrick, Starr J. Murphy, Edwin A. Alderman, Hollis B. Frissell, Harry Pratt Judson, Charles W. Eliot, Andrew Carnegie, Edgar L. Marston, Wickliffe Rose, Jerome D. Greene, Anson Phelps Stokes, Abraham Flexner and George E. Vincent.

The General Education Board's appropriations up to June 30, 1915, had been as follows:

Universities and colleges for whites	
for endowment .....	\$11,672,460.16
Medical schools .....	2,670,874.11
Colleges and schools for whites, for	
current expenses .....	159,991.02
Colleges and schools for negroes....	811,781.13
Southern Education Board .....	97,126.23
Salaries and expenses professors of	
secondary education .....	275,580.01
Salaries and expenses supervisors	
negro rural schools .....	84,320.57
Salaries and expenses rural school	
agents .....	70,645.77
Farmers' cooperative demonstration	
work in south .....	716,077.80
Farmers' cooperative demonstration	
work in Maine .....	45,173.67
Farmers' cooperative demonstration	
work in New Hampshire .....	24,593.49
Girls' canning and poultry clubs in	
south .....	113,751.52
Girls' and boys' clubs in Maine....	11,205.12
Rural organization work .....	36,646.83
Conferences .....	18,420.28
Educational surveys .....	32,500.00
Home Makers' Club agents in south-	
ern states (colored) .....	15,000.00
Rural education .....	6,000.00
	<hr/>
	\$16,862,147.71

#### CENTENNIAL OF THE COAST AND GEODETIC SURVEY

EXERCISES in celebration of the hundredth anniversary of the establishment of the United States Coast and Geodetic Survey will be held on Wednesday, April 5 and Thursday, April 6. The program is as follows:

*Afternoon of April 5, at the New National Auditorium, Washington, D. C. Beginning at 2:30 p.m.*

Dr. Hugh M. Smith, Commissioner of the United States Bureau of Fisheries: "The Bureau of Fisheries and its Relation to the United States Coast and Geodetic Survey."

Dr. Louis A. Bauer, Director of the Department of Terrestrial Magnetism, Carnegie Institution of Washington: "The Work Done by the United States Coast and Geodetic Survey in the Field of Terrestrial Magnetism."

Dr. S. W. Stratton, Director of the United States Bureau of Standards: "The Bureau of Standards, and its Relation to the United States Coast and Geodetic Survey."

Rear Admiral J. E. Pillsbury (Retired), United States Navy: "Ocean Currents and Deep Sea Explorations of the United States Coast and Geodetic Survey."

Dr. George Otis Smith, Director of the United States Geological Survey: "The United States Geological Survey and its Relation to the United States Coast and Geodetic Survey."

*Evening of April 5, at the New National Auditorium, Washington, D. C. Beginning at 8:00 p.m.*

Hon. J. Hampton Moore, Member of the United States House of Representatives: "The United States Coast and Geodetic Survey's Part in the Development of Commerce."

Brigadier General W. M. Black, Chief of Corps of Engineers, United States Army: "The United States Corps of Engineers and its Relation to the United States Coast and Geodetic Survey."

Hon. George R. Putnam, Commissioner of the United States Bureau of Lighthouses: "The Lighthouse Service and its Relation to the United States Coast and Geodetic Survey."

Mr. George Washington Littlehales, Hydrographic Engineer, United States Hydrographic Office: "Hydrography and Charts with Special Reference to the Work of the United States Coast and Geodetic Survey."

*Afternoon of April 6, at the New National Auditorium, Washington, D. C. Beginning at 2:00 p.m.*

Professor William Henry Burger, Professor of Civil Engineering, Northwestern University: "The

Contribution of the United States Coast and Geodetic Survey to Geodesy."

Rear Admiral Richard Wainwright (Retired), United States Navy: "The Civil War Record of the United States Coast and Geodetic Survey, and What the Survey is Doing towards Preparedness."

Dr. Otto Hilgard Tittmann, President of the National Geographic Society: "The International Work of the United States Coast and Geodetic Survey."

Dr. Charles Lane Poor, Professor of Celestial Mechanics, Columbia University: "Oceanic Tides with Special Reference to the Work of the United States Coast and Geodetic Survey."

Dr. Douglas Wilson Johnson, Associate Professor of Geology, Columbia University: "The Contribution of the United States Coast and Geodetic Survey to Physical Geography."

*Evening of April 6, Banquet at the New Willard, Washington, D. C. Beginning at 8:00 p.m.*

*Speakers:* The President of the United States, The Minister of Switzerland, The Secretary of the Navy, The Secretary of Commerce, Dr. Thomas Corwin Mendenhall. The first superintendent, Professor Hassler, was a native of Switzerland. Doctor Mendenhall is the oldest living ex-superintendent.

*Exhibit of the United States Coast and Geodetic Survey at the New National Museum, Washington, D. C. Wednesday, April 5, 1916. Open 10 a.m. to 11 p.m. and Thursday, April 6, 1916. Open 10 a.m. to 6 p.m.*

This exhibit will consist of surveying instruments and appliances, pictures of surveying operations and equipment; charts and other publications of the bureau. As far as possible the earliest instruments and appliances which were used by this bureau will be exhibited beside those now in use. The earliest maps and charts of the United States which can be obtained will be shown for comparison with the present charts issued by the bureau.

The superintendents of the Coast and Geodetic Survey and the periods during which they served are as follows:

Ferdinand Rudolph Hassler 1816-1843  
 Alexander Dallas Bache ..1843-1867  
 Benjamin Osgood Peirce ..1867-1874  
 Carlile Pollock Patterson ..1874-1881  
 Julius Erasmus Hilgard ..1881-1885  
 Frank Manly Thorne .....1885-1889  
 Thomas Corwin Mendenhall 1889-1894  
 William Ward Duffield ...1894-1897  
 Henry Smith Pritchett ...1897-1900  
 Otto Hilgard Tittmann ...1900-1915  
 Ernest Lester Jones .....1915-

### SCIENTIFIC NOTES AND NEWS

DR. HENRY FAIRFIELD OSBORN, president of the American Museum of Natural History, will give the William Ellery Hale Lectures at the approaching meeting of the National Academy of Sciences. The subject is "The Origin and Evolution of Life on the Earth."

THE following fifteen candidates have been selected by the council of the Royal Society to be recommended for election into the society: Professor E. H. Barton, Mr. W. R. Bousfield, Mr. S. G. Brown, Professor E. G. Coker, Professor G. G. Henderson, Mr. J. E. Littlewood, Professor A. McKenzie, Professor J. A. MacWilliam, Mr. J. H. Maiden, Professor H. H. W. Pearson, Professor J. A. Pollock, Sir L. Rogers, Dr. C. Shearer, Professor D'Arcy W. Thompson, Mr. H. Woods.

It is stated in *Nature* that Mr. Douglas W. Freshfield, president of the Royal Geographical Society, M. Henri Curdier, the French Orientalist, and General Schokalski, the Russian oceanographer, have been elected honorary members of the Italian Royal Geographical Society.

THE Accademia dei Lincei of Rome has awarded the King's prize of £400 for human physiology to Dr. Filippo Bottazzi, professor of physiology in the University of Naples.

DR. GEORGE SARTON, who is now lecturing in the United States on the history of science, the former editor of *Isis*, an international review devoted to the philosophy and history of science, published in Belgium, but discontinued during the war, has been awarded the Prix Binoux by the Paris Academy of Sciences.

PROFESSOR METCHNIKOFF has been seriously ill at the Institut Pasteur. Sir Ray Lankester writes to *Nature* under date of February 26 that his medical attendants believe that the pleurisy will now soon disappear and that the pulmonary congestion has already disappeared.

THE city of Philadelphia, acting on the recommendation of the Franklin Institute, has awarded the John Scott Legacy medal and premium to Hans Hanson, of Hartford, Conn., for his inventions embodied in John Underwood and Company's combined typewriting and calculating machine, and has also awarded the John Scott Legacy medal and premium to Frederick A. Hart, of New York, N. Y., for his inventions embodied in the same machine. In consideration of the part performed by the staff of John Underwood and Company in the development of this machine, The Franklin Institute has awarded its Edward Longstreth medal of merit to John Underwood and Company, of New York, N. Y.

THE prize of \$1,000 offered through the American Social Hygiene Association by the Metropolitan Life Insurance Company for the best pamphlet on social hygiene for girls and boys has been awarded to Dr. and Mrs. Donald B. Armstrong, of Stapleton, N. Y. The paper will soon be issued by the company as one of the health and welfare series published for the benefit of its policyholders.

J. WARREN SMITH, head of the Columbus weather bureau for eighteen years and professor of meteorology at the Ohio State University, has been promoted to be chief of the division of agricultural meteorology with headquarters in Washington.

GEORGE W. SIMONS, JR., assistant to the head of the Sanitary Engineering Department of Harvard Medical School and Massachusetts Institute of Technology, has been appointed chief sanitary engineer to the State Board of Health of Florida, and will take up his new work on July 1.

"LASSEN PEAK, our Most Active Volcano," is the title of a lecture recently given by J. S. Diller, of the United States Geological Survey, at Hunter College and before the Physi-